

Amendments to the claims

1. (currently amended) A burnt refractory ceramic product with the following mineralogical phases:

~~1-1~~ a) 70-98% by weight of a stoichiometric $\text{MgO-Al}_2\text{O}_3$ spinel_a

~~1-2~~ b) 1-15% by weight of forsterite_a

~~1-3~~ c) 1-15% by weight of periclase_a

~~1-4~~ d) Up to 10% by weight of other,

wherein the total is 100% by weight.

2. (currently amended) The product according to Claim 1, with the following mineralogical phases:

~~2-1~~ e) 70-97% by weight of a stoichiometric $\text{MgO-Al}_2\text{O}_3$ spinel_a

~~2-2~~ f) 1-10% by weight of forsterite_a

~~2-3~~ g) 1-10% by weight of periclase_a

~~2-4~~ h) 1-10% by weight of ZrO_2 and/or at least one Ca-Al oxide phase_a

wherein the total is 100% by weight.

3. (previously presented) The product according to Claim 1, with a density $> 3.35 \text{ g/cm}^3$.

4-9. (canceled)